

parkinsonsutility.ST25.txt  
SEQUENCE LISTING

<110> St. Jude Children's Research Hospital  
University of Tennessee Research Corporation  
Smeyne, Richard J.  
Tharp, Ruby  
Smeyne, Michelle  
Williams, Robert

<120> Method for Determining Sensitivity to Environmental Toxins and  
Susceptibility to Parkinson's Disease

<130> 023868.43877

<150> 60/433,437

<151> 2002-12-13

<160> 71

<170> PatentIn version 3.2

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Attorney Docket: 023868.43877

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parkinsonsutility.ST25.txt 22  
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agaagccagt ggctgaatga aaaattcaag ctgggcctgg actttcccaa tctgccctac 240  
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aagcacaacc tgtgtgggga gacagaagag gagaagattc gtgtggacat tttggagaac 360  
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ggccaggagg tgggagttag gagccatac tcagcctgct gccaggctg tgcagcgag 780  
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<210> 49  
<211> 20

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<212> DNA  
<213> synthetic

<220>  
<221> misc\_feature  
<222> (1)..(20)  
<223> Forward Primer

<400> 49  
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<210> 50  
<211> 23  
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<220>  
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<222> (1)..(23)  
<223> Reverse Primer

<400> 50  
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<210> 51  
<211> 27  
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<220>  
<221> misc\_feature  
<222> (1)..(27)  
<223> TaqMan Probe

<400> 51  
ccactatcct tcgtgaacat cccctcc 27

<210> 52  
<211> 1050  
<212> DNA  
<213> Homo sapiens

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ctctgagccc tgctcggttt aggcctgtct gcggaatccg caccaaccag caccatgccc 60  
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aagcacaacc tgtgtgggga gacagaagag gagaagattc gtgtggacat tttggagaac 360  
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ctgaagccaa agtacttggg ggaactccct gaaaagctaa agctctactc agagtttctg	480
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aagggcctgc ctggccctc gcctgtggag ctgagcccc agctgtcccc gtgttgcag	960
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<210> 53  
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 <212> DNA  
 <213> synthetic

<220>  
 <221> misc\_feature  
 <222> (1)..(20)  
 <223> Forward Primer

<400> 53	
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<210> 54  
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 <212> DNA  
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<220>  
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 <222> (1)..(23)  
 <223> Reverse Primer

<400> 54	
gatgtcccag taccagta tca	23

<210> 55  
 <211> 21  
 <212> DNA  
 <213> synthetic

<220>  
 <221> misc\_feature  
 <222> (1)..(21)  
 <223> TaqMan Probe

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<400> 55  
cgcaccaacc agcaccatgc c

21

<210> 56  
<211> 1572  
<212> DNA  
<213> Homo sapiens

<400> 56  
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gccctgaacc ccaacgccgg cattagtcgc gcctgcgcac ggccctgtgg agccgcggag 180  
gcaagggacg gagaacgggg cggaggcgga gtcagggcgc ccgcgcgtgg gccccgcccc 240  
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caatgccatc ttgcgtaca tcgctcgcaa gcacaacatg tgtggtgaga ctgaagaaga 600  
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aatagagttg ggacaattgc ttactcatta aaaataatag agccccactt gacactattc 1500  
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aaaaaaaaaa aa

1572

<210> 57  
 <211> 19  
 <212> DNA  
 <213> Synthetic

<220>  
 <221> misc\_feature  
 <222> (1)..(19)  
 <223> Forward Primer

<400> 57  
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19

<210> 58  
 <211> 18  
 <212> DNA  
 <213> synthetic

<220>  
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 <222> (1)..(18)  
 <223> Reverse Primer

<400> 58  
 gggcttgggc atgaacct

18

<210> 59  
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<220>  
 <221> misc\_feature  
 <222> (1)..(28)  
 <223> TaqMan Probe

<400> 59  
 cctactcccc aactgagttc aagggctg

28

<210> 60  
 <211> 1436  
 <212> DNA  
 <213> Homo sapiens

<400> 60  
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60

ggtggatctt actccttcca gccagtgagg atccagcaac ctgctccgtg cctcccgcgc

120

ctgttggttg gaagtgacga ccttgaagat cggccggttg gaagtgacga ccttgaagat

180

cggcgggcgc agcggggccg agggggcggg tctggcgcta ggtccagccc ctgcgtgccg

240

ggaaccccag aggaggtcgc agttcagccc agctgaggcc tgtctgcaga atcgacacca

300

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cgcttgctcc tggaatacac agactcaagc tacgaggaaa agaagtatac gatggggggac	420
gctcctgact atgacagaag ccagtggctg aatgaaaaat tcaagctggg cctggacttt	480
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tgctacattg cccgcaagca caacctgtgt ggggagacag aagaggagaa gattcgtgtg	600
gacatttttg agaaccaggc tatggacgtc tccaatcagc tggccagagt ctgctacagc	660
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ttctcacagt tcctggggaa gaggccatgg tttgttgag acaagatcac cttttagat	780
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<210> 61  
 <211> 18  
 <212> DNA  
 <213> synthetic

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> Forward Primer

<400> 61	
gcagcgcagc tggactct	18

<210> 62  
 <211> 26  
 <212> DNA  
 <213> synthetic

<220>  
 <221> misc\_feature

parkinsonsutility.ST25.txt

<222> (1)..(26)  
<223> Reverse Primer

<400> 62  
ggtaaagatg ggaataaaca ggagaa 26

<210> 63  
<211> 24  
<212> DNA  
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<220>  
<221> misc\_feature  
<222> (1)..(24)  
<223> TaqMan Probe

<400> 63  
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<210> 64  
<211> 1567  
<212> DNA  
<213> Homo sapiens

<400> 64  
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ccgcttgctc ctggaataca cagactcaag ctatgtggaa aagaagtaca cgctggggga 180  
cgctcctgac tatgacagaa gccagtggct gaatgaaaaa ttcaagctgg gcctggactt 240  
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gcgctacatt gcccgaagc acaacctgtg tggggagaca gaagaggaga agattcgtgt 360  
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parkinsonsutility.ST25.txt

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ctccctttgc tgggtcccta cccagctcc gtgtgatgcc cagtaaagcc tgaaccatgc 1140
ctgccatgtc ttgtcttatt ccctgaggct cccttgactc aggactgtgc tcgaattgtg 1200
gggtggttttt tgtcttctgt tgtccacagc cagagcttag tggatgggtg tgtgtgtgtg 1260
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ctgatgggga agggggctga gcagctccca ggcagactgc cttctttcac cctgtcctga 1500
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gtattgt 1567
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<223> Forward Primer
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<211> 16
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<221> misc_feature
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<223> Reverse Primer
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<400> 66
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<210> 67
<211> 24
<212> DNA
<213> synthetic
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<220>
<221> misc_feature
<222> (1)..(24)
<223> TaqMan Probe
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<400> 67
ccagaagatg ggaggaggga gccca 24
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parkinsonsutility.ST25.txt

<210> 68  
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 <212> DNA  
 <213> Homarus gammarus

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 agtgagaaag actggcaagg tttcctagag ctctacttac agaacagccc tgaggcctgt 720  
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<220>  
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 <222> (1)..(21)  
 <223> Forward Primer

<400> 69  
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<210> 70  
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<220>  
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 <222> (1)..(20)  
 <223> Reverse Primer

<400> 70  
tcccttggcc ttcaggacta

20

<210> 71  
<211> 22  
<212> DNA  
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<220>  
<221> misc\_feature  
<222> (1)..(22)  
<223> TaqMan Probe

<400> 71  
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22